

Commerce Department's Hollomon Is Guest At ASM Meet In Ridge Tonight



J. Herbert Hollomon

The Oak Ridge Chapter of the American Society for Metals meets tonight, Wednesday, January 19, at the Holiday Inn, Oak Ridge. The meeting begins with a social hour at 6:15, dinner at 7, and the technical session at 8 p.m.

J. Herbert Hollomon, an outstanding metallurgist who is presently serving as Assistant Secretary of Commerce, will talk on "Science and Politics." Hollomon, after receiving a BS in physics and a D.Sc. in metallurgy from Massachusetts Institute of Technology, joined the General Electric Company, Research Laboratory, Schenectady, New York. His special scientific and leadership capabilities were quickly recognized. He served as Manager, Metallurgy and Ceramics Research, and General Manager, General Engineering Laboratory, before being chosen for his present government position in 1962.

Hollomon is a Founding Member of the National Academy of Engineering, the first U.S. citizen to receive the Rosenhain Medal from the British Institute of Metals, and a former ASM National Trustee. In 1965 he delivered the Campbell Memorial Lecture at the National Metal Congress.

Buffet costs are \$3.25. Reservations are to be made through B. D. McElroy, extension 3-7482. If you have failed to make dinner reservations, you may attend Dr. Hollomon's address at 8 p.m.

Peele To Conduct Joint Seminar Friday

A joint Physics and Neutron Physics Division seminar is set for Friday. R. W. Peele, Neutron Physics, will discuss "Continuum Nuclear Reactions of Protons in the 100 MeV Region."

The seminar is set for Friday, January 21, at 3:15 p.m.

Uranium Shipments Near \$50 Million

Enriched uranium valued at nearly \$50,000,000 was shipped from the Oak Ridge Gaseous Diffusion Plant during 1965 for use primarily in the growing nuclear power industry.

The 414,486 pounds of nuclear material was substantially more than shipped in 1964, although the \$49,346,381 value was less because of lower average enrichment (uranium-235 content) of the material.

Uranium from the diffusion plant is shipped as uranium hexafluoride to privately owned firms for further processing and eventual fabrication into reactor fuel elements. Although the bulk of uranium shipped during 1965 was for use in nuclear power plants, it also included material for research and test reactors and a variety of research and development programs.

One of the largest orders during the year was for fuel for the European Atomic Energy Community's SENA Power Reactor near Chooz, France. The enriched

Continued on Page 4



BIG PRIZES TO BE GIVEN OUT at tomorrow's Credit Union Meeting are seen above, being examined by Mary Frances Bailey, left, and Eunice Beard, right. In addition to the 19 handsome awards, a total of 20 surprises will be given to lucky attendees at the meeting. Y-12's annual credit union meeting is slated for Thursday, January 20, at 7:30 p.m. at Jefferson Junior High School. Be there!

Princeton's Chen Is Thernuclear Speaker

Francis F. Chen, Princeton University, will conduct this week's Thernuclear Division seminar. His subject will be "Where Are Microinstabilities Leading Us?"

The seminar is set for 9 a.m. tomorrow, Thursday, January 20, in the TD Conference Room, Building 9201-2.

WHO'S THE SMARTER

Some folks say that women are smarter than men. But then who ever saw a man's shirt that buttoned down the back?

Credit Union Plans Big Yearly Meet, Tomorrow, January 20!

Y-12's Credit Union announces its big plans for the annual meeting, set for tomorrow night. The meeting begins promptly at 7:30 p.m., Thursday, January 20, at the Jefferson Junior High School auditorium.

Three board members are to be elected at the important meeting, also a member of the credit committee. Bill Heckert is chairing the nominating committee, and Jack Fisher and P. L. Holland are serving with him.

Meanwhile, the credit organization announces a list of door prizes that should bring the entire membership out. Included in the list are an electric toaster, a set of TV trays, a King-size card table (round, so you can see your opponent's hand!), an electric broiler, an electric carving set, a man's wrist watch, a woman's pendant watch, a travel alarm-clock, an electric knife-sharpener, can opener, a standard electric mixer, a portable mixer, a man and woman's overnight bag, a King-size wool comfort, a set of bath towels, a high intensity reading lamp, a 54-piece plastic dish set, a sleeping bag and a 30-cup party percolator.

Reports Are Set

The treasurer's report, manager's report, president's report, and various committee reports will be given. The all-important meeting is the only full membership meeting of the entire year. The federally-chartered credit union is run by its members . . . who also own their own credit organization.

(A total of 20 surprises will be given out at tomorrow's meeting, also!)

1965 has been called a period of readjustment for the Credit Union . . . as membership shrunk

for the first time in the history of the movement. Even though the number of employees decreased, the year saw growth for assets and services for the Y-12 group.

Everyone Welcome

Make plans to attend tomorrow's big meeting now. If you are a member, participate in your credit union's business . . . if you are not, come along and see the advantages of belonging and being a share in this democratic way of self-help! All are welcome.

Social Security Tax Folder To Be Mailed

A four-page folder, issued by Union Carbide Corporation, will be included with all employee's paycheck this month, reflecting the increase in social security tax deductions. The leaflet contains a table comparing the past, present and future employee tax at various earnings. In 1965, when the tax was at a lower rate, Union Carbide paid an estimated \$9.5 million as they matched the employees tax dollar-for-dollar.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
103 Days Or
2,753,000 Man-Hours
Through January 16
Without A Disabling
Injury
Phone 3-7755
(Unofficial Estimate)
For Daily Report
On Accident-Free Hours



A DEVELOPMENT FOR BERYLLIUM BRAZING brought the above five men a patent application recently. The joint development was due to the efforts of J. H. Austin, reading from left, P. W. Turner, N. R. Parrott, Chester Estes and John Googin. Development Division Superintendent W. K. Whitson, right, made the presentation last week in his office. Co-Opper Austin shared in the development, for what is believed the first patent application in Y-12 to go to a co-op student.

The Bulletin

Published Weekly For The
Y-12 Employees Of
UNION CARBIDE
CORPORATION

UNION
CARBIDE

NUCLEAR DIVISION

JAMES A. YOUNGEditor

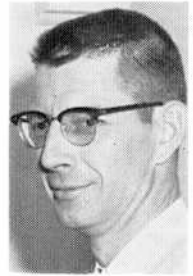
Member  Appalachian
Industrial
Editors' Association

OFFICE
Post Office Box Y
Oak Ridge, Tenn. 37831
Bldg. 9704-2 Room 137
Telephone 3-7100

Engineering Mourns Jack Clayton Cox

The General Mechanical Engineering Department was saddened and shocked last week by the death of Jack C. Cox. Mr. Cox died in a Knoxville hospital Tuesday, January 11.

He was a native of Shreveport, Louisiana and graduated cum laude from Louisiana Polytechnic Institute with a BS in mechanical engineering. He had previously attended Centenary College, Shreveport.



Jack Cox

He came to Y-12 February 8, 1954 after working with the Shreveport Refrigeration Company as a sales engineer. A veteran of the U.S. Army, Mr. Cox served during World War II.

Surviving are his wife, Mrs. Natallia Hampton Cox, 4109 Landon Drive, Knoxville; mother, Mrs. Calvin Cox, Shreveport; and brother, William C. Cox, and nephew, Glenn Cox, both of Birmingham, Alabama.

A licensed mechanical engineer in Louisiana, Mr. Cox was also a licensed engineer in the State of Tennessee. He was active in the American Society for Mechanical Engineers.

Funeral services were held Thursday, 11:30 a.m. in the chapel of Weaver Funeral Home, Knoxville, with the Reverend Jim Highland officiating. Several fellow employees acted as honorary escorts. Burial followed in Forest Park Cemetery, Shreveport.

Sincere sympathy is extended the Cox survivors.



Katy Kutkost
SEZ:

By the time you read this the Fifth Semi-Annual AEC Cost Reduction Report will be in the multilith machine. The green sheet you made late won't be in it. Eat your heart out, beat up the kids, smoke cigarettes, or whatever it takes to suppress your disappointment on not getting in on a good thing.

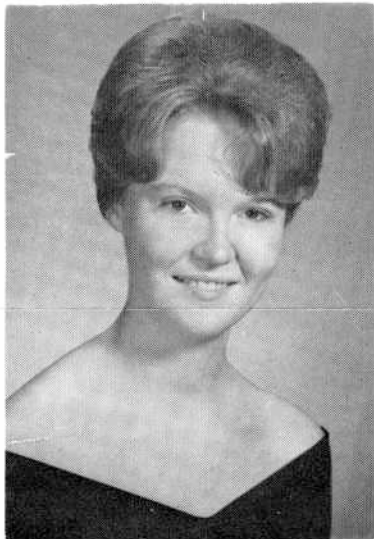
Whatever you do, don't waste the inertia you may have generated for this worthy cause. Send in the sheet anyway. We can use it next time.

A sheet in January counts just as much as one in June.

At the moment we're up to our ears in green sheets. It feels like a big enough bunch to yield a good report. Thanks to all.



Mr. and Mrs. James Don Warren



Miss Patricia Gail Smith

SMITH—NOE

Mr. and Mrs. William A. Smith, Route 1, Lenoir City, announce the engagement of their daughter Miss Patricia Gail Smith to Mr. Everett Martin Noe Jr.

The prospective groom is the son of Mr. and Mrs. Everett M. Noe Sr., Route 10, Knoxville.

Miss Smith is a 1964 graduate of Lenoir City High School and is attending Joseph's School of Hair Design, Knoxville. Mr. Noe is a graduate of Young High School and is now attending the University of Tennessee.

Grandparents of the bride-to-be are the Reverend and Mrs. John T. Williams, Lenoir City; and the Reverend and Mrs. M. J. Smith, Knoxville.

A summer wedding is planned by the couple.

Mr. Smith is in Y-12's Electrical Department.



"Your boss said it's a good thing I called - otherwise he wouldn't have known you stayed home."



WARREN-ROSE

Two Y-12 families were united in marriage recently in the wedding of Miss Penny Lou Rose and Pvt. James Don Warren. The wedding was performed Saturday, December 11, at Glenwood Baptist Church. The Reverend Paul Brewer officiated.

The bride is the daughter of Mr. and Mrs. Robert T. Rose, 224 Manhattan Avenue, Oak Ridge. The father is in Y-12's Stores Department.

Pvt. Warren is the son of Mr. and Mrs. James E. Warren, 120 Goucher Drive, Oak Ridge. The father is in Y-12's Fire Department.

For her wedding, the bride chose a candlelight gown of peau de soie with appliques of antique lace trimmed with pearls. Her only jewelry was a string of pearls which had been a gift of the groom's. She carried a colonial bouquet of white roses center with a white orchid. Her finger-tip veil was held with a crown of pearls.

Given in marriage by her father, she had as attendants Miss Sharon Parrott, Pikeville, Kentucky, maid of honor, and attendants Miss Margaret Locke, Pineville, Miss Shirley Williams, Whitesburg, Kentucky and Miss Cathy Lindsey, Oak Ridge. Flower girl was Miss Marilyn Warren, sister of the groom.

The father served as his son's best man. Other attendants were Mike Warren, Mike Pearson and Jimmy Rose.

A reception was given honoring the couple by Mary Loveless, assisted by Faye Hensley, Sharyn Burrell, Fredia Ross and Diane Wilde.

Mrs. Warren is a 1965 graduate of Oak Ridge High School and is presently attending Cumberland College.

The groom also graduated from Oak Ridge High School last year, attended Cumberland College, and is now serving with the U.S. Army, at Fort Rucker, Alabama.

December Is Deadliest Month Of The Year!

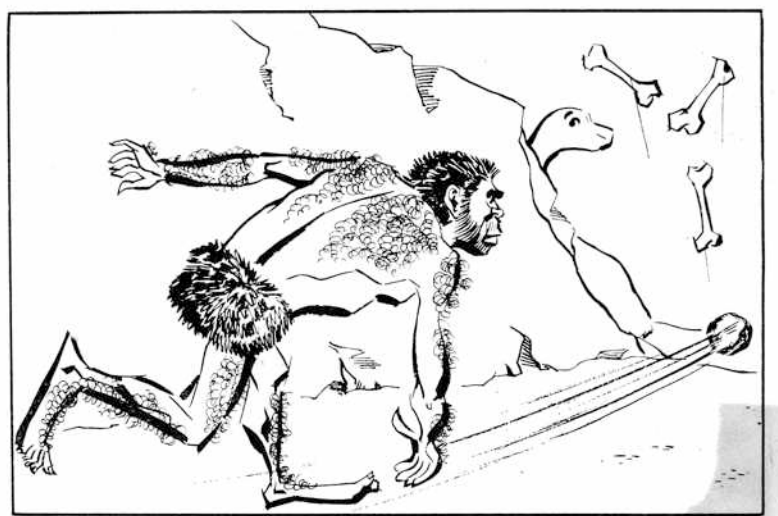
December—the month of supposed good cheer—is the deadliest month of all on the nation's highways. Last year, 9,700 Americans died in accidents . . . about 1,000 more than the monthly average.

The formula for not being the victim of an auto accident is very simple. Just follow the safe driving practices and rules of the road which you already know. You probably don't have to practice or learn anything new. Put to good use the knowledge which you already have about road safety.

Y-12ers Named Leaders In Kiwanis Club

The Oak Ridge Kiwanis recently installed new officers for 1966. Harold Fee, Lieutenant Governor of the District, presided as Y-12ers George Walden was named president, and Spence Wallace, secretary. Of course, Larry Phillips is immediate past-president of the Oak Ridge civic organization.

A child labor law is needed to keep kids from working their parents to death.



'Don't sweat it, Mack. This is a plant-sanctioned game!'

Recreation Announces Y-12 Bowling Tournament For Weekend of March 5, 6

Big doings are a-stir in bowling circles in Y-12. Plans were formulated last week for the Annual Y-12 Bowling Tournament. It settles now on the week-end of March 5, 6, at Ark Lanes, Oak Ridge. (Two days are required for the massive turnout of keggers.)

The Saturday and Sunday races will feature teams and mixed doubles on Saturday . . . and doubles and singles entries on Sunday.

All Y-12 employees who have bowled in a sanctioned league are eligible to participate in the big battle. They must have bowled at least 12 games in a sanctioned league between August 1, 1965 . . . and through February 17, 1966. Entries close February 24, at 4:30 p.m.

The fee is \$2.50 per person per event: \$1 prize fee and \$1.50 bowling fee. All Events fee, which is optional, is 50 cents per bowler. Prize money will be returned to bowlers 100 per cent.

ABC Rules Given

American Bowling Congress and Women's International Bowling Congress rules will govern the tournament. All prizes (in cash) will be awarded on a handicap basis. Trophies will be awarded to first place winners in the Scratch, Handicap Events . . . and, of course, the All Events

competition. (Handicaps are based on 70 per cent of the entrant's highest league average and 200.)

There are currently four bowling leagues competing in Y-12's sports picture. All these regular bowlers may enter the Y-12 tournament . . . plus those who roll in other sanctioned leagues . . . that is, if they have rolled 12 games in the prescribed times.

Leagues Have Entries

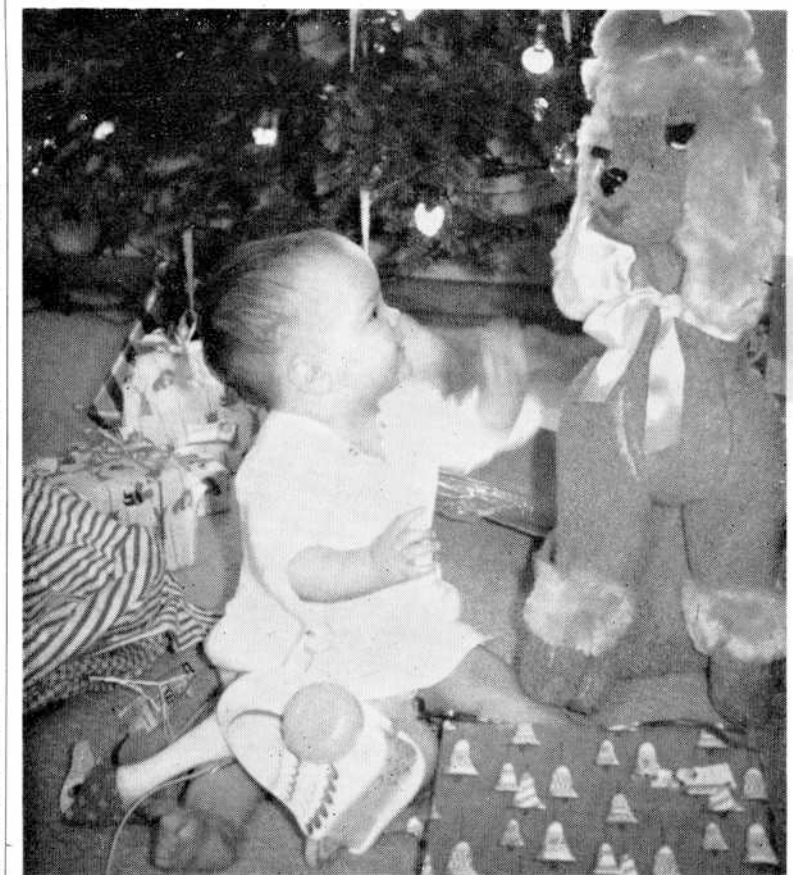
All league secretaries have by now received entry forms for the March 5, 6 tournament. See your league secretary for the necessary entry forms, or call R. T. Cantrell, extension 3-7109.

Early announcement is made so that bowlers who do not have the required 12 games may make arrangements now to roll them off before the close-off date of February 17.

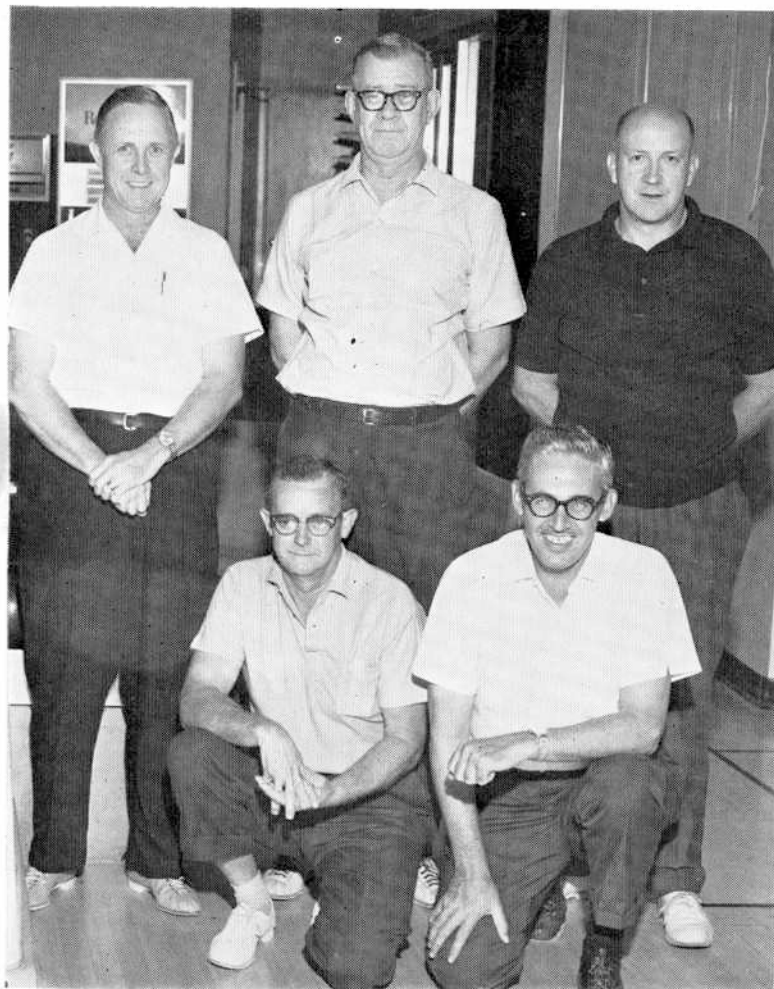
The Bush and C Leagues roll on Monday nights . . . the Mixed League hits the alleys on Wednesday . . . and the big 16-team Classic League rolls every Thursday.

Since early World War II days, bowling has been a keen-interest, alive sport in the Atomic City.

The Y-12 yearly tournament merely whets the appetite of alley-hungry men and women. Make sure your entry fee (accompanied by the necessary money) gets in before the deadline!



TINA ANN SWAGGERTY comprehended Christmas, O.K., thank you. The big pink poodle was part of the act at the Norwood Swaggerty home. Proud papa who took the excellent photo is in Y-12's Quality Liaison.



THE SPLINTERS MAKE UP one of the Classic Bowling League's classiest team. In front are R. G. Marlar and M. C. Bays. Standing are Harry Keen, captain; John Reece and E. H. Johnson.

Classic League Sees Tigers On Top Of Bowling In Second Half

The Classic League's roaring Tigers remain Kings of the Hill in League play. The Tigers are still undefeated after completing play in the second session of the second half by taking the All Stars for four points. The other clean sweep of the night belonged to the Eightballs over the Swingsters.

Three point victories were scored by the Bumpers over the Splinters, the Wolves over the Smelters, the Cubs over the Rebels, the Markers over the Has Beens,

Rounders In Scant C Alley 1st Slot

The Rounders, not content with second - place standings in the league's first half, hold a scant one-point lead in the second half of the C Bowling League. This came about last week after they took a four-point win over the HiLifers. Other four-point wins went to the Invalids over the Sunflowers . . . the Strikers over the Big Five and the Rollmasters past the Shud-A-Beens.

Three points went to the Parbusters over the Fireballs and the Badgers over the Rodders.

W. C. Smith, Rodders, came alive on singles . . . taking a 233 scratch, 258 handicap game. D. R. Kessell, Rounders, posted high series of the night . . . with a 608 scratch, 692 handicap total.

The Rounders were best on singles . . . 867 scratch, 1007 handicap . . . and the Strikers struck in high series count . . . 2514 and 2953.

League standings follow:

Team	W	L
Rounders	10	2
Parbusters	9	3
Badgers	9	3
Sunflowers	8	4
Invalids	8	4
Fireballs	5	7
Strikers	5	7
Rollmasters	5	7
Rodders	4	8
HiLifers	3	9
Big Five	3	9
Shud-A-Beens	3	9

and the Wasps over the Playboys. Rolling all evening to split four points with two each were the Rippers and the Screwballs.

Dave Smith, Playboys, took three of the four individual honors. Smith rolled a 222 scratch singles, 247 handicap singles, and a 655 high handicap series. Dave Galford, Bumpers, gathered the high individual scratch series with a 601.

The Bumpers took all team honors by rolling to a 932 team scratch singles, 1032 team handicap singles, 2672 scratch series, and handicap singles with a 2976 total.

Team	W	L
Tigers	8	0
Bumpers	6	2
Wolves	6	2
Cubs	6	2
Eightballs	5	3
All Stars	4	4
Rebels	4	4
Rippers	4	4
Markers	4	4
Swingsters	3	5
Has Beens	3	5
Screwballs	3	5
Wasps	3	5
Splinters	2	6
Playboys	2	6
Smelters	1	7

Subs Sport Clean Mixed League Slate

The Subs keep a spotless slate in the Y-12 Mixed Bowling League, thanks to another four-point win . . . this time over the Mustangs. Also taking four were the Better Halves over the Blue Angels, and the Chumps over the Twisters. The Goofers took three from the Alley Cats.

June Davis, Better Halves, took female honors on singles, rolling a 192 scratch, 241 handicap game. Irene Carmack, Mustangs, posted a 497 scratch series, and a 602 handicap series. On the male side it was Billy Sise, Alley Cats, with a 199 scratch single . . . Jim Davis, Chumps, a 233 handicap single. On series highs it was Lynn Cage, Subs, with a 529 scratch series, 613 handicap series.

The Chumps took high singles,

Basketball Nears 1st Half Schedule

Two ORNL teams collided in action last Monday in the Basketball League as the Bombers lowered the boom on the Fungi, 35 to 25. The game progressed very slowly with neither team able to buy a basket. A low, low score of 15-12 was registered at half-time. The game picked up considerably in the bottom half, with wild passing accounting for the loss of the ball several times.

Roy Neighbors scored 10 for the winning Bombers . . . Ed Baliff tallied nine for the losers.

Isotopes Come Up
The Isotopes, after trailing most of the game, came from behind to defeat the Nats, 54 to 51, in game number two. Again, the stolen ball accounted for the difference. Bill Martin scored 20 for the winners, Terry Mothershed 12. Wayne Parson placed 13 points through the bucket for the losers.

Metals & Ceramics downed the Has Beens, Y-12, in final play Monday . . . 50 to 46.

The outcome of the game was not decided until the last 30 seconds of the game . . . with the lead changing hands at least a dozen times. Two points separated the teams until the very last when the Has Beens had to foul trying to obtain the ball . . . thereby giving extra point possibilities to the M & C boys.

Dick Broughner had a high 21 for the winning team . . . Bob Henderson scored 16 for the losers.

Has Beens Win Big
Wednesday's action became a runaway . . . as the Has Beens opened mid-week play, lambasting the Losers 79 to 25. Bob Cul-ton scored 19 for the winning combo . . . Bob Henderson took 10, as did Jack Roach. For the losing Losers it was J. Yost with six.

The Fearless Five continued their lock on the league Wednesday by demolishing the Fungi 61 to 22. For the Five it was Compton, 15; Jim McCall, 13; Finch, 11, and Goetch, 10. For the Fungi Porter scored 11.

Final play Wednesday saw the Bombers return to avenge themselves over the Nats, 55 to 36. Herman Thomas scored 11, Elmer Lee and Butch Armistead, 10 each, for the winners . . . and Wayne Parson, 16, Ernie Neal, 11, for the losers.

The first half of league action is wound up this week . . . and play will begin immediately in the second leg of the race. A new team from Y-12, the Collegians, managed by Jim Froula, will make entry into the league for the second half.

League standings follow:

Team	W	L
Fearless Five, ORNL	6	0
Metals & Ceramics, ORNL	5	1
Has Beens, Y-12	5	1
Isotopes, K-25	3	2
Bombers, ORNL	3	2
Nats, ORNL	2	3
Losers, Y-12	0	5
Fungi, ORNL	0	6

655 scratch, 847 handicap! The Better Halves had a high series in scratch counting with 1776 . . . and the Chumps returned to the boards with a 2332 handicap series.

League standings follow:

Team	W	L
Subs	8	0
Goofers	6	2
Better Halves	6	2
Chumps	6	2
Alley Cats	3	5
Mustangs	2	6
Blue Angels	1	7
Twisters	0	8

FIGHTS BIRTH DEFECTS

The National Foundation — March of Dimes, successful in its fight against polio, is now waging war against birth defects.



PART OF THE QUAIL KILL during the season is seen above, taken by J. G. Worley, General Machine Shop, left, and his brother-in-law J. C. Shockley, right. During the season Worley has seen more than 80 birds killed. He and Shockley took 14 on the January 8 trip down in Middle Tennessee.

Recreation



Monday, January 24

BOWLING: C League, 5:45 p.m.

Bush League, 8 p.m. Ark Lanes.

TABLE TENNIS: 7 p.m. Wild Cats Den, Oak Ridge.

BASKETBALL: Beginning 2nd half. 6:30 p.m., Oak Ridge High School Gymnasium.

Tuesday, January 25

PHYSICAL FITNESS: 7:30 p.m. Oak Ridge High School Gymnasium.

Wednesday, January 26

BOWLING: Mixed League, 8 p.m. Ark Lanes.

BASKETBALL: Beginning 6:30 p.m. Jefferson Junior High School Gymnasium.

Thursday, January 27

BOWLING: Classic League, 5:45 p.m. Ark Lanes.

VOLLEYBALL: Beginning 6:30 p.m. Oak Ridge High School Gym. Court One: Set-Ups vs Old Men, Reactor vs Beavers, Naughts vs K-25 Instruments. Court Two: Yanks vs EcoBums, Neutrons vs Mix-Ups, Eagles vs Bat Boys.

Friday, January 28

FABRICATION DIVISION DINNER-DANCE: 7:15 p.m. to mid-night. Deane Hill Country Club, Knoxville.

Beavers Keep Volleyball Lead

The Y-12 Beavers continue to hold first place in the Volleyball League after last week's play. The Beavers took four points from the Bat Boys while their nearest rival, the ORNL Eco-bums, were turning back the Naughts by the same score. The other four point win of the evening went to the K-25 Instruments over the Mix-Ups.

Three point victories went to the Set-ups over the Neutrons, the Old Men over the Eagles, and the Reactors over the Yanks.

League standings follow:

Team	W	L
Beavers, Y-12	15	1
EcoBums, X-10	12	3
Set-Ups, X-10	12	4
Neutrons, X-10	11	5
Old Men, X-10	10	5
Reactors, Y-12	10	6
Naughts, X-10	9	7
K-25 Instruments	6	10
Eagles, Y-12	5	11
Mix-Ups K-25	2	14
Bat Boys, Y-12	2	14
Yanks, Y-12	1	15

Loyd Wyatt Table Tennis Half-King

With an 850 batting average in the Table Tennis League, Loyd Wyatt topped the League's first half, in wind-up play last week.

He took a four game win from Ed Gambill, giving him a three - point lead over Roy Huddleston. Huddleston finished first half action with a five game win over

L. Wyatt

Joe Lewin.

In other matches, A. J. Norris took four from A. J. Weinberger . . . and G. W. Brewer took the same count from W. D. Jones. Jones won five from Gambill . . . and Gene O'Hara counted as many against Norris. O'Hara also won three from Bill Maddux.

Player	W	L
L. E. Wyatt	47	8
R. L. Huddleston	44	11
M. E. O'Hara	41	14
W. B. Motley	39	16
W. D. Jones, ORNL	36	19
W. A. Maddux	36	19
G. W. Brewer	21	34
A. J. Weinberger, ORNL	21	34
A. J. Norris	18	37
E. F. Gambill	17	38
F. Kertesz, ORNL	7	48
J. Lewin, ORNL	3	52

Untouchables Win Bush Bowl Sweep

The Untouchables stretched their lead in the Bush Bowling activities last week by a four pointer over the FLUBS. The Regents cleaned the Outcasts for three, as did the Dry Hides past the Beavers.

Roy Scates, Regents, posted a 201 single scratch game . . . James Franklin, also of the Regents, took a 236 handicap game.

Ray Waldrop, Dry Hides, nailed a 532 scratch series to the boards, and J. V. Hawkins, Untouchables, tallied a 646 handicap series.

The Regents reached up for singles in scratch count with 866. Their series of 2434 scratch, 2908 handicap was high also. The Untouchables blocked a complete take-over by capturing handicap singles with 1034.

League standings follow:

Team	W	L
Untouchables	14	6
Regents	11	9
Dry Hides	11	9
Beavers	9	11
FLUBS	9	11
Outcasts	6	14

